



Delaware Department of Education
Appendix: Labor Market Information (LMI) Review
 Delaware CTE Program of Study Application

Table 1: LEA Information

(see instructions on page 2, LMI Instructions & Guidance Document)

Career Cluster:	Business
Career Pathway:	Business Information Management
CTE Program of Study:	Academy of Business Information Management
High School and LEA Name:	
County:	

Table 2: Labor Market Information (LMI) Benchmarks by Geographic Region

(see instructions on page 2, LMI Instructions & Guidance Document)

Region	Employment 2015	Employment Change 2014-24	Employment Growth 2014-24	Avg. Wage 2015
United States	137,896,660	9,788,900	6.5%	\$48,320
Delaware	433,840	37,150	8.1%	\$50,300
District of Columbia	676,060	46,040	6.0%	\$80,150
Maryland	2,596,630	504,540	18.2%	\$54,630
New Jersey	3,906,800	275,310	6.5%	\$54,950
Pennsylvania	5,709,480	345,920	5.7%	\$46,550
Virginia	3,682,050	368,050	9.3%	\$51,670

Table 3: LMI by Career Cluster & Pathway

(see instructions on page 4, LMI Instructions & Guidance Document)

Cluster Code	Cluster/Pathway Title	High Skill	High Wage	High Demand	2014-2024			
					Employment 2015	Employment Change 2014-2024	Employment Growth 2014-2024	Average Wage 2015
4	Business Management & Administration	•		•	70,960	2,635	3.6%	\$52,482
	Rank Select Career Cluster by the Following Categories ->				(1 of 16)	(6 of 16)	(14 of 16)	(10 of 16)
4.02	Business Information Management	•	•	•	1,210	141	12.6%	\$158,933
	Rank Select Career Pathway by the Following Categories ->				(5 of 5)	(5 of 5)	(1 of 5)	(1 of 5)
	<i>Business Information Management – Mid-Atlantic States</i>	N/A			53,470	9,891	18.0%	\$152,230
	<i>Business Information Management – United States</i>				341,250	53,700	15.4%	\$141,000
4.01	<i>General Management</i>	•	•	•	5,540	469	6.4%	142,613
4.03	<i>Human Resources Management</i>	•	•	•	3,960	147	3.4%	\$73,819
4.04	<i>Operational Management</i>	•	•	•	5,770	752	12.1%	\$86,088
4.05	<i>Administrative Support</i>			•	54,480	1,126	2.1%	\$36,454

Table 3: LMI by Career Cluster & Pathway (Questions/Analysis)

(see instructions on page 5, LMI Instructions & Guidance Document)

- How does the employment, the employment change, the employment growth rate, and the average wage for the identified career cluster compare to LMI for other clusters in the State of Delaware? Is the career cluster rated as high wage and high demand?
The Business Management & Administration Cluster ranks number one (1) for employment, number six (6) for Employment change, number ten (10) for average wage, and fourteen (14) for employment growth. The career cluster rating is high skill and high demand.

2. How does the employment, the employment change, the employment growth rate, and the average wage for the identified career pathway compare to LMI at the cluster level? How does the identified pathway level LMI in Delaware compare to the pathway level LMI in the Mid-Atlantic and/or the United States? How does the identified pathway level LMI in Delaware compare to the other pathway level LMI in Delaware?

The average wage for the pathway is much greater than the other pathways and the cluster in both Delaware and the Mid-Atlantic region. Both of which are higher than the median income for Delaware and the United States. However, the pathway employment growth rate is higher than Delaware and lower than the Mid-Atlantic and United States pathway employment growth. All related pathways are high skill, high wage, and high demand except for Administrative Support.

Table 4: LMI by Standard Occupation Code (SOC)

(see instructions on page 6, LMI Instructions & Guidance Document)

SOC Code	Occupation Title	High Skill	High Wage	High Demand	2014-2024			
					Employment 2015	Employment Change 2014-2024	Employment Growth 2014-2024	Average Wage 2015
11-1021	General and Operations Managers	•	•	•	4,270	321	6.9%	\$144,373
11-9199	Managers, All Other	•	•	•	900	158	7.4%	\$134,264
11-3021	Computer & Information Systems Managers	•	•	•	1,210	141	12.6%	\$158,933
13-1111	Management Analysts	•	•	•	2,000	257	11.6%	\$83,366

Table 4: LMI by Standard Occupation Code (SOC) (Questions/Analysis)

(see instructions on page 7, LMI Instructions & Guidance Document)

3. How closely related to the program of study are the identified occupations (SOCs)?

Computer & Information Systems Managers and Management Analysts SOC are directly related to the program of study but would require at least a Bachelor's degree. The General and Operations Managers and Managers, All Other SOC are closely related to the program of study but would require students to obtain at least a Bachelor's degree.

4. Are there adequate state-level projected job openings or employment growth projections at the occupation level to justify starting a new program of study? Do the occupations related to the program of study rank as high skill, high wage and/or high demand?

The number of job openings projected for the cluster and pathway as well as the related SOC will support a business information management program of study. All related SOC and the pathway are rated as high skill, high wage and high demand jobs.

Table 5: LMI Supply Indicators by Secondary & Post-Secondary Levels

(see instructions on page 8, LMI Instructions & Guidance Document)

			Program Completion/Enrollment			
Program Code (CIP)	Program (CIP) Title	School	2011-12	2012-13	2013-14	2014-15
Total Secondary Programs of Study						
	Academy of Business Information Management	N/A				
Total Post-Secondary Programs of Study						
52.1201	Management Information Systems, General (Associate's)	Delaware Technical Community College, Owens/Stanton/Wilmington/Terry	4	3	0	0
52.1201	Management Information Systems, General (Associate's)	University of Delaware	28	20	28	38
52.0201	Business Administration & Management, General (Associate's)	Delaware Technical Community College, Owens/Stanton/Wilmington/Terry	100	109	123	110
52.0201	Business Administration & Management, General (Associate's)	Goldey-Beacom College	19	22	17	20
52-0201	Business Administration & Management, General (Associate's)	Wesley College	30	26	6	3
52-0201	Business Administration & Management, General (Bachelor's)	Delaware State University	64	47	56	50
52-0201	Business Administration & Management, General (Bachelor's)	Goldey-Beacom College	108	74	53	46
52-0201	Business Administration & Management, General (Bachelor's)	University of Delaware	0	47	47	47
52-0201	Business Administration & Management, General (Bachelor's)	Wesley College	82	44	40	26
52-0201	Business Administration & Management, General (Bachelor's)	Wilmington University	196	176	186	218

Table 5: LMI Supply Indicators by Secondary & Post-Secondary Levels (Questions/Analysis)

(see instructions on page 9, LMI Instructions & Guidance Document)

5. How is the secondary program of study articulated to or in any way related to the identified post-secondary program(s)?
The NAF Academy of Business Information Management program of study connects with various post-secondary degree and certification programs both at the two- and four-year institutions of higher education. This program of study will prepare student for correlated studies in all sectors of management and management analytics.

6. How does the annual completion data at the secondary and post-secondary level compare to the projected career pathway-related projected job openings in Table 4?
The numbers of enrolled students in business management programs at the post-secondary level indicate that there is a high interest in this area. The NAF Academy of Business Information Management in secondary schools will prepare students with the knowledge and abilities necessary to successfully participate in post-secondary programs. This work will lead to students achieving articulated and dual-enrollment credit while in high school and lessening the amount of time required to enter the workforce.

Table 6: Other LMI Data Including Real-Time LMI (Questions/Analysis)

(see instructions on page 10, LMI Instructions & Guidance Document)

7. Are there additional LMI data (demand & supply) at the local, county, state, or Mid-Atlantic region that support starting a new program of study in this pathway? This includes additional occupations for which there is not an SOC, any other analysis of LMI data, and any additional information on demand & supply factors that influence employment which can include real-time labor market information.

Real-Time LMI Report will be published in the summer of 2018, prior to program start-up.